Index to Current Science, Volume 69, July–December 1995

AUTHOR INDEX

Abdussattar 924 (Research communication)
Abraham, Oomen 396 (Correspondence)
Absar, N. *see* Sarker, A. A.
Achaya, K. T. 415 (General article)
Adak, T. 695 (Research communication)
Agarwala, B. K. 587 (Review article)
Ahmad, S. Masood 691 (Research communication)
Ahuja, P. S. *see* Giri, C. C.
Ajitha, T. M. *see* Rao, P. V. S.
Ajmani, Ranjeet S. 877 (Research communication)
Akthar, Md. Nam *see* 1028 (Research communication)
Aman, Ashutosh 772 (Research communication)
Ananth, P. N. *see* Tatavarti, Rao
Ansari, Habeebul Haque 367 (Book review)
Ansari, M. A. *see* Adak, T.
Arumugam, M. 21 (Scientific correspondence)
Arunachalam, Subbiah 285, 485 (News); 548 (Book review)
Arvind Kumar 702 (Book review)
Arya, S. K. 295 (Scientific correspondence)
Athavale, R. N. 279 (Historical commentary and notes)
Atul Kumar *see* Kumar, Vandana A.
Au, Gary K. 499 (General article)
Awasthi, D. D. 371 (Book review)

Badarinath, K. V. S. 604 (Research communication)
Bagchi, Biman 129 (Review article)
Bahr, D. *see* Satyam, P. V.
Bains, N. S. 621 (Research communication)
Bal, Madhusmita 538 (Research communication)
Balakrishna, P. 926 (Research communication)
Balaram, P. 7, 301 (Editorial notes); 84, 211, 284, 391, 631, 715 (In this issue)
Balaram, V. 640 (General article)
Balasubramanian, A. S. *see* Satish, P. R.
Banerjee, Rahul *see* Maithani, P. B.
Banerjee, Rakhee *see* Singh, B. N.
Banerji, Subrata 252 (Research article)
Banubakode, P. D. *see* Srivastava, A. K.
Basu, A. N. *see* Sen, D.
Bavle, Amar 491 (Research news)
Bayer, Ronald 861 (Article, special section)
Bedi, J. S. 21 (Scientific correspondence)
Beuria, M. K. 257 (Research communication)
Bhat, Sushma 607 (Research communication)
Bhatia, C. R. 963 (News)
Bhatia, Rajendra 69 (Book review)
Bhattacharjee, Apurba K. 58 (Research communication)
Bhattacharjee, Somendra M. 816 (General article)
Bhattacharya, S. *see* Agarwala, B. K.
Bhattacharya, Samir 221 (Opinion)
Bhattacharyya, J. C. 486 (News); 715 (In this issue)
Bhattacharyya, S. P. *see* Maity, D. K.
Bilham, Roger 101 (General article)
Bisht, K. S. 496 (Scientific correspondence)
Biswas, Sukumar 719 (Research news); 721 (General article)
Bloom, David E. 822 (Introduction, special section); 865 (Article, special section)
Borah, Bijoylakshmi *see* Roy, Debjani
Bose, D. N. 474 (Personal news)
Brahmachary, R. L. *see* Sen, Srabani
Brown, Tim 840 (Article, special section)

Chakravarty, Charusita 739 (Review article)
Chalissery, Mary S. *see* Sane, R. T.
Chamyal, L. S. *see* Maurya, D. M.
Chander, Ramesh 223 (Commentary); 781 (Book review)
Chandra, Shaila 400 (Scientific correspondence); *see* Singh, Kamal Jeet
Chandran, Suresh 85 (Correspondence)
Chandrasekhar, J. 715 (In this issue)
Chandrasekhar, S. 557 (Historical commentary and notes)
Chandrashekara, K. 406 (Commentary); 470 (Book review)
Chandrashekaran, M. K. 895 (Correspondence)
Channing, C. *see* Winskill, L.
Chatterjee, Indu B. 747 (Review article)
Chaturvedi, U. C. *see* Mukerjee, Ruma
Chaudhuri, Amitabha 9 (Research news)
Chaurasia, S. S. 698 (Research communication)
Chidambaram, R. 13 (Commentary); 572 (General article)
Chin, James 828 (Article, special section)
Chopra, K. L. 565 (Correspondence)
Cubasch, U. *see* Lal, M.

Daniels, R. J. Ranjit 72; 703 (Book reviews); 569 (Scientific correspondence)
Das, Jyotirmoy *see* Dutta, Chitra
Das, K. K. *see* Roy, P. S.
Das, Manoj K. 946 (Book review); *see* Bal, Madhusmita; *see* Beuria, M. K.
Das, R. K. 96 (Scientific correspondence)
Das, Sahab *see* Shrivastav, Rohit
Das, S. K. 76 (Historical commentary and notes)
Das, Tapan Kanti 874 (Research communication)
Dash, B. C. *see* Das, R. K.
Desai, Umesh R. 893 (Correspondence)
De Sousa, S. N. *see* Dileep Kumar, M.
Dessai, A. G. *see* Karmalkar, N. R.
Dev, B. N. *see* Satyam, P. V.
Devasia, Preston *see* Gadgil, Madhav
Devi, M. *see* Nagabhushanam, R.
de Zoysa, Nandrani S. 857 (Article, special section)
Dhar, Deepak 368 (Book review)
Dileep Kumar, M. 672 (Review article)
Duraiswami, R. A. *see* Karmalkar, N. R.
Dutt, C. B. S. *see* Badarinath, K. V. S.
Dutta, Chitra 814 (Scientific correspondence)
Dutta, R. N. *see* Kar, R.
Dutta Roy, S. C. 6, 957 (Correspondence)
Dwivedi, G. N. 634 (Scientific correspondence)
Dwivedi, S. K. *see* Rao, V. V.
Dwyer, John M. 823 (Article, special section)

Esaki, L. 240 (General article)

Fingerman, M. *see* Nagabhushanam, R.

Gadagkar, Raghavendra 211 (In this issue); *see* Chandrashekara, K. (470)
Gadgil, Madhav 637 (Commentary)
Gadgil, Sulochana 649 (General article)
Gadre, Shridhar R. *see* Bhattacharjee, Apurba K.
Gahalaut, V. K. *see* Chander, Ramesh (223)
Ganapathi, N. G. 601 (Research communication)
Gandhi, K. S. 625 (Book review)
Ganesh Kumar, C. 237 (General article)
Ganeshaiah, K. N. 283, 563 (In this issue)
Gangal, S. V. 277 (Book review)
Ganguly, Ashok S. 193 (Generalia)
Garg, Rahul 1012 (Research communication)
Garg, V. K. *see* Rao, A. Bhaskara
Gaur, V. K. 83 (In this issue)
Geevan, C. P. 906 (General article)
George, M. D. *see* Dileep Kumar, M.
Gharai, Biswadip *see* Badarinath, K. V. S.
Ghose, S. K. *see* Satyam, P. V.
Ghosh, Mrinal K. *see* Chatterjee, Indu B.
Ghosh, Sabyasachi 937 (Research communication)
Giri, C. C. 458 (Research communication)
Giridharan, N. 493 (Scientific correspondence)
Glied, Sherry 849 (Article, special section)
Goodall, Jane 301 (Article, special section)
Gosal, S. S. *see* Bains, N. S.
Goswami, J. N. 1008 (Research communication); *see* Biswas, Sukumar (721)
Govindarajulu, V. 29 (General article)
Goyal, Navin *see* Maithani, P. B.
Gupta, P. *see* Chaurasia, S. S.
Gupta, S. K. 227 (Scientific correspondence)
Gururaja, M. N. *see* Patil, R. S.

Haque, M. R. *see* Sarker, A. A.
Hasan, Gaiti 626 (Book review)
Hegde, B. M. 946 (Book review)
Hegde, M. S. *see* Manoharan, S. Sundar
Hossain, M. *see* Islam, R.
Hosur, R. V. *see* Radha, P. K.

Islam, R. 494 (Scientific correspondence)
Iyengar, M. A. R. *see* Rajan, M. P.

Jagannathan, N. R. 448 (Research communication)
Jagetia, Ganesh Chandra *see* Ganapathi, N. G.
Jain, Abhineet *see* Roy, P. S.
Jain, K. P. *see* Garg, Rahul
Jain, M. C. *see* Ghosh, Sabyasachi
Jairajpuri, M. Shamim 370 (Book review)
Jaiswal, S. *see* Joshi, V. K.
Jayakumar, D. A. *see* Dileep Kumar, M.
Jayannavar, A. M. *see* Kumar, N. (57)
Jayaraman, A. 44 (Research article)
Jeyaseelan, A. T. *see* Badarinath, K. V. S.
Jha, Awadesh N. 1005 (Research communication)
Jha, C. S. *see* Badarinath, K. V. S.
Jha, Sumita 971 (Scientific correspondence)
Jha, Timir B. *see* Jha, Sumita
Jitendra Kumar *see* Kumar, Vandana A.
Joarder, O. I. *see* Islam, R.
John, S. 633 (Correspondence)
Johnston, Simon 521 (Review article)
Joseph, Ancy *see* Kumaran, K. P. N.
Joshi, N. V. 563, 631 (In this issue)
Joshi, V. K. 263 (Research communication)
Joshi, Y. P. 395 (Correspondence)

Kailas, S. *see* Chidambaram, R. (572)
Kalaivani, R. *see* Santhanalakshmi, J.
Kale, V. M. *see* Srivastava, A. K.
Kamble, C. V. *see* Kumaran, K. P. N.
Kanishkan, B. *see* Patil, R. S.
Kar, A. *see* Chaurasia, S. S.
Kar, R. 67 (Research communication)
Karim, M. R. *see* Islam, R.
Karmalkar, N. R. 767 (Research communication)
Kartha, C. C. 393 (News)
Kasturirangan, K. 732 (Review article)
Katti, Madhusudan 305 (Article, special section)
Kaul, V. K. *see* Parthasarathi, Ashok
Kaur, Ravinder *see* Bedi, J. S.
Kavitha, C. S. 957 (Correspondence)
Kaw, P. K. *see* Sen, Abhijit
Khandelwal, D. P. 88 (Correspondence)
Khanuja, Varjeet S. *see* Ajmani, Ranjeet S.
Khare, Avinash *see* Bhattacharjee, Somendra M.; *see* Rao, K. Srinivasa
Khattri, K. N. 161 (Research article); 361 (Research communication)
Khoshoo, T. N. 14 (Commentary)
Koteeswaran, R. 545 (Research communication)
Kotru, P. N. *see* Bhat, Sushma
Krishnaswami, S. *see* Trivedi, J. R.
Krishnaswamy, S. 182 (Research communication)
Kuber, V. V. *see* Sane, R. T.
Kulshrestha, S. M. 39 (General article)
Kumar, B. 929 (Research communication)
Kumar, N. 57 (Research communication); 492 (Research news)
Kumar, R. Senthil *see* Arumugam, M.
Kumar, Vandana A. 543 (Research communication)
Kumaraguru, P. *see* Patil, R. S.
Kumaran, K. P. N. 1023 (Research communication)
Kuri, G. *see* Satyam, P. V.

Lakhotia, S. C. 219 (Research news); 627 (Book review); 797 (News); *see* Singh, Bhupendra N.
Lal, M. 752 (Research article)
Lal, Shiv 833 (Article, special section)
Leblanc, M. *see* Karmalkar, N. R.

Mackay, Alan L. 151 (Research article)
Madan, Anup *see* Radha, P. K.
Madhavan, D *see* Parthasarathi, Ashok
Madhusudhanan, K. P. *see* Sivakumar, R.
Mahal, Ajay *see* Bloom, David E. (865)
Maheshwari, Ramesh 401 (Commentary)
Maithani, P. B. 270 (Research communication)
Maiti, P. K. *see* Chaurasia, S. S.
Maitra, Uday 964 (Research news)
Maity, D. K. 343 (Research article)
Majumdar, D. *see* Maity, D. K.
Majumder, S. K. *see* Kar, R.
Malthai, Jyotsna *see* Pandiyan, N.
Manchanda, Rohit 140 (Review article)
Manoharan, S. Sundar 336 (Research communication)
Maruthi Mohan, P. *see* Akthar, Md. Nam *see*
Masani, P. R. 288, 289 (Scientific correspondence)
Mashelkar, R. A. 317 (General article)
Mathur, Sanjay Kumar *see* Shrivastav, Rohit
Maurya, D. M. 610 (Research communication)

Mazumdar, Shyamalava *see* Das, Tapan Kanti
Mehrotra, K. N. *see* A. P. Padma Kumari
Menon, N. R. Madhava 881 (Book review)
Menon, S. *see* Sane, R. T.
Merh, S. S. *see* Maurya, D. M.
Mishra, S. *see* Goswami, J. N.
Misra, C. M. 17 (Scientific correspondence)
Mitra, A. N. 467 (Book review); 783 (Generalia); 802 (Commentary)
Mittal, P. K. *see* Adak, T.
Mohan Ram, H. Y. *see* Nair, M. N. B.
Mohanakumar, S. *see* Reghunadhan, K.
Moorthy, P. S. R. *see* Pandiyan, N.
Mukerjee, Ruma 900 (Scientific correspondence)
Mukhopadhyay, Chinmay K. *see* Chatterjee, Indu B.
Mukhopadhyay, Dhruba 189 (Book review)
Mukhopadhyay, Kakoli 965 (Research news)
Mukunda, N. 375 (Historical commentary and notes); 882 (Book review)
Muniyappa, K. 550 (Book review)
Muniyappa, V. 1031 (Book review)
Munuswamy, N. *see* Shanmugasundaram, G. K.
Muralikrishna, N. 718 (Scientific correspondence)
Murthy, G. S. *see* Venkatesh, N.
Mythili, J. B. *see* Thomas, Pious

Nadgauda, R. S. 277 (Book review)
Nagabhushanam, R 659 (Review article)
Nagaraja, G. *see* Venkatesh, N.
Nagarajan, K. 373 (Personal news)
Naik, P. C. 705 (Historical commentary and notes)
Nair, A. G. Ramachandran *see* Sivakumar, R.
Nair, M. N. B. 809 (Scientific correspondence)
Nampoori, V. P. N. *see* Tatavarti, Rao
Naqvi, S. W. A. *see* Dileep Kumar, M.
Narasimhan, N. S. 287 (Correspondence)
Narasimhan, R. 292 (Scientific correspondence); 701 (Book review)
Narayanaswamy *see* Ravindra Kumar, G. R.
Naren, Anitha 777 (Research communication)
Narlikar, Jayant 192 (Personal news); 969 (Scientific correspondence)
Narvekar, P. V. *see* Dileep Kumar, M.
Naseema, A. 461 (Research communication)
Nataraj, D. V. 434 (Research article)
Natarajan, R. *see* Rao, V. Purnachandra
Nautiyal, A. R. *see* Uniyal, R. C.
Nayar, M. P. 971 (Scientific correspondence)
Nene, Y. L. 191 (Book review)
Nityananda, R 483 (In this issue); 554 (Personal news)

Ojha, Devendra 518 (General article)
Ojha, J. 99 (Scientific correspondence)

Padayatti, Pius S. *see* Naseema, A.
Padhy, L. C. *see* Radha, P. K.
Padma, K. *see* Reddy, P. Chandrasekhara
Padma Kumari, A. P. 464 (Research communication)
Padmini, V. N. *see* Kasturirangan, K.
Pande, Kanchan *see* Trivedi, J. R.
Pandey, K. K. *see* Muralikrishna, N.
Pandian, T. J. *see* Koteeswaran, R.
Pandit, M. K. *see* Banerji, Subrata
Pandiyan, N. 899 (Scientific correspondence)
Pandiyan, Radha *see* Pandiyan, N.
Parnaik, Veena K. 71 (Book review)
Parthasarathi, Ashok 974 (General article)
Parthasarathy, K. R. 904 (General article)
Parthasarathy, R. 69 (Book review)
Parthasarathy, S. 529, 871 (Research communications)
Parthiban, S. 793 (News)
Patel, B. A. *see* Vyas, R. V.
Patel, D. J. *see* Vyas, R. V.
Patel, H. R. *see* Vyas, R. V.
Pati, Atanu Kumar 87 (Correspondence)
Patil, G. V. *see* Srivastava, A. K.
Patil, R. S. 97, 810 (Scientific correspondence)
Patil, Veeranagouda *see* Reddy, P. Chandrasekhara
Paulose, C. S. *see* Naseema, A.
Periasamy, Mariappan 287 (Correspondence)
Peterson, George *see* Sarda, Rabin M.
Phokela, A. *see* A. P. Padma Kumari
Prakash, Satya *see* Shrivastav, Rohit
Prasad, N. L. *see* Kasturirangan, K.
Prasad, T. G. *see* Naren, Anitha; *see* Reddy, P. Chandrasekhara
Prasad, V. *see* Manoharan, S. Sundar
Prasanna, B. M. 5 (Correspondence)
Pundlik, Savita S. *see* Bhattacharjee, Apurba K.
Puniyani, R. R. *see* Ajmani, Ranjeet S.

Rab, M. A. *see* Sarker, A. A.
Radha, P. K. 243 (Research account)
Radhakrishna, B. P. 891 (In this issue)
Radhakrishnan, P. *see* Tatavarti, Rao
Radhakrishnan, T. P. 217 (Research news)
Radhakrishnan, V. 189 (Book review)
Raghavendra, K. *see* Adak, T.
Raghunathan, P. *see* Jagannathan, N. R.
Rahman, A. 552 (Personal news)
Rahman, Abdul *see* Sharma, Kewal K.
Rajadnya, N. *see* Roy, P. S.
Rajagopalan, S. R. 3, 483 (In this issue)
Rajan, M. P. 592 (Research article)
Rajasree, K. *see* Tatavarti, Rao
Raju, K. K. V. S. *see* Ramesh Kumar, P. V.
Raju, K. S. *see* Bhat, Sushma
Ramachandran, S. *see* Maithani, P. B. *see* Muralikrishna, N.
Ramachandran, T. V. *see* Rajan, M. P.
Ramakrishnan, C. *see* Nataraj, D. V.
Ramani, A. V. 955 (In this issue)
Ramanna, Raja 897 (Correspondence)
Ramanujam, C. G. K. *see* Patil, R. S.
Ramasamy, Sm. 811 (Scientific correspondence)
Ramaseshan, S. 7, 301 (Editorial notes); 25 (General article); 893 (News)
Ramasubramanian, S. 231 (General article)
Ramesh Kumar, P. V. 763 (Research communication)
Ramya, K. *see* Parthasarathy, S.
Rangarajan, S. 410 (General article)
Rao, A. Bhaskara 958 (Correspondence)
Rao, A. P. Kamalakara *see* Senthil Kumar, P.
Rao, B. R. *see* Rao, V. Purnachandra
Rao, B. S. Ganga *see* Ramesh Kumar, P. V.
Rao, Ch. M. *see* Rao, V. Purnachandra
Rao, C. N. R. 216 (Research news)
Rao, G. U. 351 (Research article)
Rao, J. R. Lakshmana 896 (Correspondence)
Rao, K. Jayaraj *see* Ganesh Kumar, C.
Rao, K. Srinivasa 566 (News)
Rao, K. Vasudeva 397 (Scientific correspondence)
Rao, M. Rama *see* Patil, R. S.
Rao, Pitta Govinda 476 (Historical commentary and notes)

Rao, P. V. S. 420 (General article)
Rao, R. Balaji 369 (Book review)
Rao, R. R. 968 (Commentary)
Rao, U. R. *see* Kasturirangan, K.
Rao, V. Purnachandra 1017 (Research communication)
Rao, V. V. 932 (Research communication)
Rath, Satyajit 945 (Book review)
Ravan, Shirish A. *see* Roy, P. S.
Ravi *see* Bains, N. S.
Ravindra Kumar, G. R. 941 (Research communication)
Raviraja, N. S. *see* Sridhar, K. R.
Ray, Prasanta Kumar 549 (Book review)
Ray, S. L. *see* Goswami, J. N.
Reddy, P. Chandrasekhara 495 (Scientific correspondence)
Reddy, P. S. *see* Nagabhushanam, R.
Reghunadh, K. 456 (Research communication)
Rout, B. *see* Satyam, P. V.
Roy, Debjani 265 (Research communication)
Roy, P. S. 685 (Research article)

Saha, A. K. *see* Goswami, J. N.
Sajan, K. *see* Reghunadh, K.
Sandhu, D. K. *see* Joshi, V. K.
Sane, R. T. 899 (Scientific correspondence)
Santhanalakshmi, J. 918 (Research article)
Sarda, Rabin M. 835 (Article, special section)
Sarin, M. M. *see* Trivedi, J. R.
Sarker, A. A. 185 (Research communication)
Sarma, Amarendra *see* Roy, Debjani
Sarma, K. V. L. 397 (Scientific correspondence); 959 (News)
Sarojini, R. *see* Nagabhushanam, R.
Sashidhar, V. R. *see* Naren, Anitha
Satish, P. R. 336 (Review article)
Satpathy, L. *see* Naik, P. C.
Satyalakshmi, K. M. *see* Manoharan, S. Sundar
Satyam, P. V. 526 (Research communication)
Satyanarayana, P. *see* Srinivasan, G. J.
Savitha, J. 596 (Research article)
Sawhney, V. K. *see* Rao, G. U.
Saxena, R. K. *see* Misra, C. M.
Saxena, S. K. 914 (General article)
Sekar, Vaithilingam *see* Unnamalai, N.
Sen, Abhijit 73 (Personal news)
Sen, D. 426 (Review article)
Sen, Srabani 895 (Correspondence)
Sengupta, S. *see* Das, S. K. *see* Sen, D.
Senthil Kumar, P. 258 (Research communication)
Shankar, P. N. 483 (In this issue)
Shankar, R. 86 (Correspondence)
Shanmugasundaram, G. K. 229 (Scientific correspondence)
Shanmugasundaram, S. *see* Krishnaswamy, S.
Sharma, Anand K. *see* Virk, H. S.
Sharma, Kewal K. 613 (Research communication)
Sharma, M. K. 619 (Research communication)
Sharma, P. *see* Gupta, S. K.
Sharma, Ram S. 1031 (Book review)
Sharma, S. K. *see* Jayaraman, A.
Sharma, S. R. *see* Rao, V. V.
Sharma, V. P. *see* Adak, T.
Sheela, S. G. *see* Koteeswaran, R.
Shivanna, K. R. *see* Nair, M. N. B.; *see* Rao, G. U.
Shrivastav, M. M. *see* Shrivastav, Rohit
Shrivastav, Rohit 272 (Research communication)
Shrivastav, Shobhit *see* Shrivastav, Rohit
Shrivastava, P. K. *see* Muralikrishna, N.
Simlot, M. M. *see* Sharma, M. K.
Singh, Bagwan D. 998 (Research article)
Singh, B. N. 771 (Research communication)
Singh, Jaswinder *see* Bains, N. S.
Singh, J. S. 293 (Scientific correspondence)
Singh, Kamal Jeet 228 (Scientific correspondence); *see* Chandra, Shaila
Singh, Lambodar P. 801 (Correspondence)
Singh, N. Bhupendra 178 (Research communication)
Singh, Rajendra *see* Maithani, P. B.; *see* Muralikrishna, N.
Singh, Ramesh P. 286 (News); *see* Aman, Ashutosh
Singh, Sarnam *see* Roy, P. S.
Singh, Smita *see* Singh, J. S.
Singh, Umesh K. *see* Aman, Ashutosh
Sinha, Anindya 296 (Article, special section); 903 (Research news)
Sinha, Suresh K. *see* Ghosh, Sabyasachi
Sisodia, Seema *see* Singh, B. N.
Sitaramam, V. 89 (Opinion)
Sittitrai, Werasit *see* Brown, Tim
Sivakumar, R. 23 (Scientific correspondence)
Sokhi, S. S. *see* Bedi, J. S.
Soman, K. *see* Kumaran, K. P. N.
Sorkhabi, Rasoul B. 489 (News)
Sowdhamini, R. *see* Nataraj, D. V.
Sreenivasan, P. 617 (Research communication)
Sridhar, K. R. 570 (Scientific correspondence)
Srinivas, V. 891 (In this issue)
Srinivasan, D. 370 (Book review)
Srinivasan, G. J. 534 (Research communication)
Srinivasan, K. 577 (General article)
Srinivasan, N. *see* Nataraj, D. V.
Srivastava, A. K. 397 (Scientific correspondence)
Srivastava, P. N. 288 (Correspondence)
Subbarao, Sarala K. *see* Adak, T.
Subramanian, C. V. 986 (General article); *see* Savitha, J.
Subramanyam, S. V. *see* Manoharan, S. Sundar
Subramoniam, A. 898 (Scientific correspondence)
Sundaravel, B. *see* Satyam, P. V.
Swaminathan, M. S. 276, 471 (Book reviews)
Swarup, D. *see* Rao, V. V.
Swathi, P. S. 285 (News)

Talwar, G. P. 473 (Personal news)
Tarafdar, J. C. 541 (Research communication)
Tatavarti, Rao 678 (Research article)
Tauro, P. 717 (Correspondence)
Tewari, V. C. *see* Kumar, B.
Thakur, B. B. *see* Lal, Shiv
Thamban, M. *see* Rao, V. Purnachandra
Thomas, Pious 94 (Scientific correspondence)
Tiwari, S. C. 213 (Correspondence)
Tripathi, A. K. *see* Dwivedi, G. N.
Trivedi, J. R. 171 (Research communication)
Tyagi, R. C. *see* Dwivedi, G. N.

Uberoi, Chanchal 74 (Personal news)
Udaya Kumar, M. *see* Naren, Anitha; *see* Reddy, P. Chandrasekhara
Udgaonkar, B. M. 197 (Historical commentary and notes)
Uma Devi, P. *see* Bisht, K. S.
Uma Shaanker, R. 955 (In this issue)
Uniyal, R. C. 358 (Research communication)
Unnamalai, N. 939 (Research communication)
Unnikrishnan, C. S. 896 (Correspondence)
Upadhyay, R. R. 717 (Correspondence)

Vallabhan, C. P. G. *see* Tatavarti, Rao
Varalakshmi, B. *see* Pandiyan, N.
Vasan, S. S. *see* Arya, S. K.
Vatsala, T. M. *see* Senthil Kumar, P.
Vencatesan, Jayashree *see* Daniels, R. J. Ranjit (569)
Venkataraman, Arun B. 934 (Research communication)
Venkatesan, V. K. *see* Parthasarathy, S. (871)
Venkatesh, N. 48 (Research article)
Vidyala, V. *see* Tatavarti, Rao
Vijayan, E. *see* Sreenivasan, P.
Virdi, J. S. 491 (Correspondence); 624, 1032 (Book reviews)
Virk, H. S. 452 (Research communication)
Vishwakarma, R. G. *see* Abdussattar
Vishwakarma, Rajesh K. 62 (Research communication)
Voss, R. *see* Lal, M.
Vyas, R. V. 635 (Scientific correspondence)

Walia, Vivek *see* Virk, H. S.
Wang, S. Y. *see* Jayaraman, A.
Waran, N. K. 303, 308 (Articles, special section); *see* Winskill, L.
Waszkewitz, J. *see* Lal, M.
Wiedenbeck,M. *see* Goswami, J. N.
Winskill, L. 310 (Article, special section)

Yadav, M. L. *see* Dwivedi, G. N.
Yogananda, C. S. 702 (Book review)
Young, R. *see* Winskill, L.

SUBJECT INDEX

Articles in Commentary, Generalia, Historical commentary and notes, News, Opinion, Research account, Research news; Books reviewed and letters in Correspondence and Scientific correspondence are also listed alphabetically under the respective category name.

Acacia auriculiformis 495 (Scientific correspondence)
Academy document on science education 88 (Correspondence); 89 (Opinion)
Academy Fellowship 969 (Scientific correspondence)
Accelerators 572 (General article)
Acid phosphatase 541 (Research communication)
Active gravitational mass 924 (Research communication)
Adaptive features 587 (Review article)
Aegle marmelos 494 (Scientific correspondence); 932 (Research communication)
Aggressive behaviour 491 (Research news)
AIDS 822 (Introduction, special section); 823, 828, 833, 835, 840, 849, 865 (Articles, special section)
AIDS and tuberculosis 833 (Article, special section)
AIDS, economic analysis 865 (Article, special section)
AIDS, lessons from USA 849 (Article, special section)
Akkulam lake 454 (Research communication)
Albizia lebbek 358 (Research communication)
Alfven, Hannes 73, 74 (Personal news)
Aliphatic-aromatic balance 67 (Research communication)
Alpha-logger 452 (Research communication)
α-turn 434 (Research article)
Ancient gold mining sites 634 (Scientific correspondence)
Animal rights 296 (Article, special section)
Animal welfare 283 (In this issue)
Anomalous cosmic rays 721 (General article)
Anorthosites 21 (Scientific correspondence)
Antihyperglycaemic effects 932 (Research communication)
Anuran acoustic communication 265 (Research communication)
Apple pomace 263 (Research communication)
Applied research 12 (Commentary)
Archaean crust 613 (Research communication)
Armillaria millea 986 (General article)
Artificial satellites 732 (Review article)
Ashtekar program 499 (General article)
Aspergillus flavipes 596 (Research article)
Atmospheric deposition 272 (Research communication)
Autoregulation 178 (Research communication)
Avicennia marina 926 (Research communication)
Axenic culture 21 (Scientific correspondence)
Azolla sp. 97 (Scientific correspondence)

Bacillus sphaericus 695 (Research communication)
Bacillus thuringiensis 939 (Research communication)
Bacterial pathogenesis 1032 (Book review)
Bacterial virulence 965 (Research news)
Bairam–Belkher area 397 (Scientific correspondence)
Basic research 12 (Commentary)
Big bang cosmology 924 (Research communication)
Bilateral outgrowths 771 (Research communication)
Binary pulsar 521 (Review article)
Bioacoustic analysis 265 (Research communication)
Biodiversity 14 (Commentary); 906 (General article)
Biogas inhibition 619 (Research communication)
Biological control 939 (Research communication)
Biological survey 14 (Commentary)
Bioremediation 1028 (Research communication)
Blood transfusion 857 (Article, special section)
Blood viscosity 877 (Research communication)
Bombay offshore 17 (Scientific correspondence)
Bombyx mori 185 (Research communication)

Book reviews
The Action Principle in Physics 368
Annual Review of Biochemistry, Vol. 63, 1994 550
Annual Review of Cell Biology, Vol. 10, 1994 71
Annual Review of Immunology, Vol 13, 1995 945
Annual Review of Medicine, Vol. 46, 1995 946
Annual Review of Neuroscience, Vol. 18 , 1995 626
Annual Review of Phytopathology, Vol. 32, 1994 191
Bacterial Pathogenesis of Plants and Animals: Molecular and Cellular Mechanisms 1032
Beyond the Quantum Paradox 367
Botany in India: History and Progress 371
The Collected Papers of Albert Einstein: Vol. 5 – *The Swiss Years: Correspondence, 1902–1914* 882
Contributions to Operator Theory and its Applications 69
Crustal Evolution of Singhbhum – North Orissa, Eastern India 189
Deep Continental Structure of India: A Review 1031
Development of Ideas in Physics 702
Environment and Adaptive Biology of Plants 72
Ethnobotany and the Search for New Drugs 548
Environmental Health Perspective: Supplements: Molecular Mechanisms of Metal Toxicity and Carcinogenicity 549
Functional Dynamics of Phytophagous Insects 470
The Guide to the Galaxy 189
In vitro Culture and its Applications in Horticulture 277
Laboratory Manual of Organic Chemistry 369
Law, Ethics and HIV: Proceedings of the UNDP Intercountry Consultation 881
Leks 703
Life in Moving Fluids 625
Mahatma Gandhi: An Apostle of Applied Human Ecology 276
A Modern Introduction to Ancient Indian Mathematics: Indian Mathematics and Astronomy 702
Molecular Genetics of Bacterial Pathogenesis 624
Ocean Technology – Perspectives 370
Perspectives in Nematode Physiology and Biochemistry 370
Quark and Jaguar 467
Recent Trends in Aerobiology, Allergy and Immunology 277
Rice Tungro 1994 1031
Science in Society: Some Perspectives 69
Speaking Minds: Interviews with Twenty Eminent Cognitive Scientists 701
The State of Food and Agriculture 1993 and 1994 471
Textbook of Molecular Biology 627
Tropical Diseases: Molecular Biology and Control Strategies 946
Uttarkashi Earthquake 781

Born–Oppenheimer description 715 (In this issue)

Bose–Einstein condensation 492 (Research news)
Bose, S. N. 76 (Historical commentary and notes)
Botryococcus 810 (Scientific correspondence)
Brassinolide 777 (Research communication)
Bundelkhand craton 613 (Research communication)

Calcium 777 (Research communication)
Calcutta earthquake of 1737 476 (Historical commentary and notes)
Carbon and oxygen isotopic records 691 (Research communication)
Carbon dioxide 672 (Review article)
Carbonyl addition reaction 343 (Research article)
Cauvery basin 97, 810 (Scientific correspondence)
CD_4 lymphocytes 823 (Article, special section)
CD_8 lymphocytes 823 (Article, special section)
CD-ROM 285 (News)
Cell elongation 777 (Research communication)
Cellular relevance 9 (Research news)
Central limit theorem 904 (General article)
Chaca chaca 99 (Scientific correspondence)
Chandra Sekhar, Samanta 705 (Historical commentary and notes)
Chandrasekhar, Subrahmanyan 372; 554 (Personal news)
Charnockites 941 (Research communication)
Chatterjee, S. D. 474 (Personal news)
Chemical Abstracts 285 (News)
Chemical structures 151 (Research article)
Chemotherapy 257 (Research communication)
Chlorofluorocarbons 793 (News)
Chromosome elimination 458 (Research communication)
Circadian rhythms 626 (Book review)
Climate change 39 (General article); 752 (Research article)
Climate change and agriculture 649 (General article)
Coal 592 (Research article)
Cockerel 698 (Research communication)
Codon usage 182 (Research communication)
Columbite-tantalite bearing pegmatite 718 (Scientific correspondence)

Commentary
Are herbaria redundant? 968
Census of India's biodiversity: Tasks ahead 14
Finding *patterns* in nature's maze: An endless quest 406
Implications of recent levelling observations for Tehri and other high dams in the Himalaya 223
Importance of basic research in the context of global change 12
India's scientific community: A cultural crisis? 802
Intellectual property rights and biological resources: Specifying geographical origins and prior knowledge of uses 637
Whither microbiology? 401

Commercial sex 840 (Article, special section)
Communication satellites 410 (General article)
Complementarity principle 426 (Review article)
Complex adaptive systems 467 (Book review)
Conservation 14 (Commentary)
Constituents of matter 397 (Scientific correspondence)
Contraceptive use 577 (General article)
Cordierite gneisses 763 (Research communication)

Correspondence
The Academy document: A perceptive appraisal of science education in India 87
The Academy document: A teacher's view 88
Assessment of research impact of engineering institutions 565
A crisis in Engineering education 957
Distortion of Indian degrees 6
Early research in India on primate tool using 895
Fancy and facts in science and art 5
Feast of the Gods? 717
A good beginning 491
If education is important, so must be teachers! 801
Karnatak music 896
Microbiology in India 717
More on microbiology 895
More on NSU 288
Necessity of broadening science base in India 287
NSU, Academy Document and science education: Reflections and an operation model 958
Nurturing young scientists 893
Patenting biotechnologies 85
Ph D students, research supervisors and university research: Some observations 633
Proposal for a National Science School 396
Revitalization of Indian science 213
Vitamin C: A vital nutrient 957
What NSU report leaves unanswered! 395
Why not platinum? 86

Cosmic rays 715 (In this issue)
Creative potential 5 (Correspondence)
Cretaceous-Tertiary boundary 1012 (Research communication)
Crude oil 596 (Research article)
Crustal growth 613 (Research communication)
Crutzen, Paul J. 793 (News)
Cryopreservation 899 (Scientific correspondence)
Cryptobiosis 229 (Scientific correspondence)
Culex quinquefasciatus 695 (Research communication)
Cultural crisis 802 (Commentary)
Cuon alpinus 934 (Research communication)
Cyanobacteria 182 (Research communication)
Cybernetic system 288 (Scientific correspondence)
Cyclones 39 (General article)
Cyclotron 572 (General article)
Cytochrome c oxidase 874 (Research communication)
Cytokine antagonism 900 (Scientfic correspondence)

Deep Continental structure 1031 (Book review)
Delphi survey method 828 (Article, special section)
Deltamethrin 464 (Research communication)
Density determination 534 (Research communication)
Detection limits 640 (General article)
Dholes 903 (Research news); 934 (Research communication)
Diabetes 461 (Research communication)
Dioxins 237 (General article)
Dibenzodioxins 237 (General article)
DNA-binding domain 243 (Research account)
Donor selection 857 (Article, special section)
Drag force constant 534 (Research communication)
Drosophila 797 (News)
Drosophila bipectinata 771 (Research communication)

Earth's core 914 (General article)
Earthquake 161 (Research article); 361, 452, 772 (Research communications)
Economics of AIDS 849 (Article, special section)
Einstein, Albert 882 (Book review)
Electron transfer 739 (Review article)
Electrophysiology 140 (Review article)
Embryonic tissues 494 (Scientific correspondence)
Embryo rescue 621 (Research communication)

Endoyphytes 570 (Scientific correspondence)
Engineering education 957 (Correspondence)
Engineering institutions 565 (Correspondence)
Enkephalins 659 (Review article)
Environmental design 308 (Article, special section)
Environmental health 549 (Book review)
Environmental pollution 592 (Research article)
Epididymal spermatozoa 899 (Scientific correspondence)
Epitopes 48 (Research article)
Eryx conicus 258 (Research communication)
Eryx johnii 258 (Research communication)
Ethephon 809 (Scientific correspondence)
Ethnobotany 548 (Book review)
Exact solution 816 (General article)
Examination system 87 (Correspondence)
Experimental physics 25 (General article)
Exploitation of animals 296 (Article, special section)

Fairy shrimp 229 (Scientific correspondence)
Falling liquid drops 534 (Research communication)
Feature vector 420 (General article)
Female literacy 577 (General article)
Female reciprocal call 265 (Research communication)
Fertility 577 (General article)
Fertility patterns 563 (In this issue)
Flavonoids 23 (Scientific correspondence)
Flexicrystallography 151 (Research article)
Flowering plants 971 (Scientific correspondence)
Fluorescing macerals 998 (Research article)
Foetal exposure 496 (Scientific correspondence)
Food contaminants 237 (General article)
Fowler, Willy 192 (Personal news)
Fractal description 361 (Research communication)
Functional imaging 391 (In this issue)
Functional magnetic resonance imaging (FMRI) 448 (Research communication)
Fungal biosorbent 1028 (Research communication)

Galaxy kinematics and dynamics 518 (General article)
Galaxy stellar content 518 (General article)
Gamma ray bursts 732 (Review article)

Generalia
In the pursuit of science: The 'subjective' element 783
Who should look at stars 193

Genetic markers 926 (Research communication)
Genetic resources 637 (Commentary)
Genotoxicity 96 (Scientific correspondence)
Geochemical monitoring 272 (Research communication)
Geotechnical implications 454 (Research communication)
Giant magnetoresistance 356 (Research communication)
GnRH 617 (Research communication)
Gondwana flora 397 (Scientific correspondence)
Goral habitat 685 (Research article)
Govindachari, T. R. 373 (Personal news)
Great Himalayan earthquakes 279 (Historical commentary and notes)
Greenhouse gases 293 (Scientific correspondence); 672 (Review article); 752 (Research article)
Ground support systems 410 (General article)
Gudakhu 96 (Scientific correspondence)
Gujarat plain 610 (Research communication)

Habitat suitability analysis 685 (Research article)
Harzburgites 767 (Research communication)
Heat shock response 178 (Research communication)
Heat tolerane 351 (Research article)
Heavy elements 295 (Scientific correspondence)
Heavy metals 272 (Research commnication)
Helichrysum bracteatum 23 (Scientific correspondence)
Helicoverpa armigera 464 (Research communication)
Hemp 893 (News)
Hepatoprotection 898 (Scientific correspondence)
Hepatoprotective drugs 898 (Scientific correspondence)
Herbaria 968 (Commentary)
Heterosexual behaviour 840 (Article, special section)
Higher education 213 (Correspondence)
Himalaya–Karakoram–Tibet region 489 (News)
Himalayan earthquakes 101 (General article)
Himalayan geodesy 223 (Commentary)
Historic seismicity 279 (Historical commentary and notes)

Historical commentary and notes
Eugene Paul Wigner – A tribute 375
On Ramanujan's bust 557
A probe into the Calcutta earthquake of 1737 476
Professor S. N. Bose's contribution to quantum statistics – A critical review 76
Samanta Chandra Sekhar: Life and work 705
Scientific tradition and other traditions 197
Two undocumented historic earthquakes and additional information on the major earthquake of 1 September 1803 from north India 279

History and philosophy 197 (Historical commentary and notes)
HIV 822 (Introduction, special section); 823, 828, 835, 840, 857, 861, 865 (Articles, special section); 870 (Book review)
Hornblende mineral reference sample 640 (General article)
Human-animal interactions 303 (Article, special section)
Human chorionic gonadotropin 48 (Research article)
Human filariasis 538 (Research communication)
Human interactions 783 (Generalia)
Humic acids 67 (Research communication)
Hydrogen bonds 434 (Research article)
Hydrogen electrode 871 (Research communication)
Hyoscyamus muticus 458 (Research communication)
Hypoglycaemic effect 932 (Research communication)

Igneous cryatallization 21 (Scientific correspondence)
Immunocytochemistry 178 (Research communication)
Indian degrees 6 (Correspondence)
Indian food practices 415 (General article)
Indian Gondwana coals 998 (Research article)
Indian ocean 672 (Review article)
Indian population 563 (In this issue)
Indian rivers 171 (Research communication)
Indian science 197 (Historical commentary and notes); 213 (Correspondence)
Indian universities 633,801 (Correspondence)
Indus ophiolite belt 767 (Research communication)
Information network 906 (General article)
Inhibitory glycine receptor 336 (Review article)
Intellectual property rights 29 (General article); 637 (Commentary)
Internalwaves 678 (Research article)
International collaboration 12 (Commentary)
International Lithosphere Project 286 (News)
Interstellar medium 721 (General article)
Inter-University Centre for Astronomy and Astrophysics (IUCAA) 25 (General article)
Invertebrates 659 (Review article)

In vitro seeds 543 (Research communication)
Ion implantation 526 (Research communication)
Ion-microprobe 1008 (Research communication)
Ionic surfactant 874 (Research communication)
Ionization states 721 (General article)
Ising model 816 (General article)
ISI's electronic library 485 (News)
Isotope trends 929 (Research communication)
Isovaleric acids 619 (Research communication)

Journal editing 393 (News)
Junction potentials 140 (Review article)

Kalinga Prize 215 (News)
Kalpasar 227 (Scientific correspondence)
Karaya gum 809 (Scientific correspondence)
Karnatak music 896 (Correspondence)
Kramers' theory 129 (Review article)

Laser ablation 640 (General article)
Laser beam deflection 678 (Research article)
Laser-heating thermodynamics 914 (General article)
Laser spectroscopy 129 (Review article)
LDH isoenzymes 258 (Research communication)
Lead 698 (Research communication)
Leopards 903 (Research news)
Leks 703 (Book review)
Leptons 959 (News)
Leucostoma 939 (Research communication)
Lewis, Edward B. 797 (News)
Lignite 592 (Research article)
Lipid enzymes 596 (Research article)
Lipid peroxidation 601 (Research communication)
Liquid junction 529 (Research communication)
Lithium 252 (Research article)
Liv.52 601 (Research communication)
Low serum cholesterol 491 (Research news)
Lymphokines 823 (Article, special section)

Mahatma Gandhi 276 (Book review)
Maize 621 (Research communication)
Male fructification 400 (Scientific correspondence)
Mangroves 926 (Research communication)
Marker processes 231 (General article)
Matter-wave interferrometry 426 (Review article)
Maturation 358 (Research communication)
Meloidogyne incognita 635 (Scientific correspondence)
Metallic diffusivity 57 (Research communication)
Metallogeny 252 (Research article)
Metal removal 1028 (Research communication)
Methane efflux 293 (Scientific correspondence)
Methane production 937 (Research communication)
Micellar catalysis 918 (Research article)
Microbiology 401 (Commentary); 895 (Correspondence)
Microbiology in India 717 (Correspondence)
Microbiological research 401 (Commentary)
Microcirculation 877 (Research communication)
Microemulsion media 918 (Research article)
Microprobe geochemistry 1017 (Research communication)
Microquantity liquids 534 (Research communication)
Microvasculature 99 (Scientific correspondence)
Micula prinsii 1012 (Research communication)
Milky way structure 518 (General article)
Modern science and technology 29 (General article)
Molecular electrostatic potentials 58 (Research communication)
Molecular genetics 624 (Book review)
Molecular imprinting 317 (General article)
Molina, Mario J. 793 (News)
Monoclonal antibodies 48 (Research article)
Monodeiodinase activity 698 (Research communication)
Morarji Desai and rhesus macaque 296 (Article, special section)
Mosquito control 695 (Research communication)
Motor cortex 448 (Research communication)
Moving fluids 625 (Book review)
Mulberry 67,185 (Research communications)
Multiple shoot production 495 (Scientific correspondence)
Muscardine fungi 635 (Scientific correspondence)
Mushrooms 986 (General article)
Mutagens 58 (Research communication)
Myb-DNA system 243 (Research account)

Nanoplankton marker 1012 (Research communication)
Nanotechnology 317 (General article)
Naphthyl phosphate 541 (Research communication)
National Science School 396 (Correspondence)
National Science University 287, 395, 958 (Correspondence)
Natural resources 569 (Scientific correspondence)
Needham, Joseph 552 (Personal news)
Nematode physiology 370 (Book review)
Neodymium heptamolybdate 607 (Research communication)
Neotectonics 811 (Scientific correspondence)
1833 Nepal earthquake 101 (General article)
Neuropeptides 617 (Research communication)
Neurotransmitters 617 (Research communication)
Neutron stars 732 (Review article)
New radiation belt 719 (Research news)

News
- Amending the Patents Act – An appeal from the National Working Group on Patent Laws 7
- *Chemical Abstracts* on CD-ROM 285
- Hemp in the manufacture of paper 893
- 10th Himalaya–Karakoram–Tibet Workshop, Switzerland, 1995 – Conference report 489
- Intensive course on 'applications of remotely sensed data on ocean colour' 285
- International Lithosphere Project 286
- ISI's electronic library 485
- 1994 Kalinga Prize 215
- New appointments 215
- Nobel leptons 959
- Nobel Peace Prize for 1995 to Joseph Rotblat and the Pugwash Conferences on Science and World Affairs 717
- The 1995 Nobel Prize in Medicine: A tribute to the power of formal genetics 797
- Peer review under scrutiny 393
- Pioneers of ozone study bag chemistry Nobel 793
- Report on the 'International conference on symmetry methods in physics' (ICSMP-95) 566
- Third rice genetics symposium 963
- Total solar eclipse – October 1995 486

Nicotinic acetylcholine receptor 336 (Review article)
Niobium 270 (Research communication)
Nitrous oxide 672 (Review article)
NMR 211 (In this issue); 243 (Research account)
Nobel Peace Prize 717 (News)
Nobel Prize, Chemistry 793 (News)
Nobel Prize, Medicine 797 (News)
Nobel Prize, Physics 959 (News)
Nonlinear dynamics 317 (General article)
Nonlinear optics 217 (Research news)

Nuclear tracks 721 (General article)
Nucleotide-protein 814 (Scientific correspondence)
Nusslein-Volhard, Christianne 797 (News)

Ocean colour 285 (News)
Ocean technology 370 (Book review)
Onsager 816 (General article)
Onshore gas well 604 (Research communication)
Opal phytoliths 17 (Scientific correspondence)

Opinion
Declining phase of quality research in our universities 221
The Indian Academy of Sciences document on science education in universities: A criticism 89

Opioid peptides 631 (In this issue)
Opioids 617 (Research communication)
Oxidative damage 747 (Review article)
Oxide electronics 216 (Research news)
Oxide films 356 (Research communication)
Ozone layer 793 (News)

Palaeoecology 1023 (Research communication)
Palynoflora 1023 (Research communication)
Patenting biotechnologies 85 (Correspondence)
Patent Laws 7 (News)
Path integrals 739 (Review article)
Pathogenesis 965 (Research news)
Patterns 406 (Commentary)
Peer review 393 (News)
Periastron 521 (Review article)
Peripheral blood lymphocytes 1005 (Research communication)
Peripheral erythrocytes 96 (Scientific correspondence)
Perl, Martin L. 959 (News)
Peroxodisulphate reactions 918 (Research article)

Personal News
A doyen of Indian physicists (An obituary of S. D. Chatterjee) 474
Joseph Needham (1900–1995) (An obituary) 552
A pioneer in modern plasma physics (An obituary of Hannes Alfvén) 73
Prof. T. R. Govindachari – An appreciation 373
Professor Willy Fowler (1911–1995) (An obituary) 192
Remembering Hannes Alfvén and his work (An obituary of Hannes Alfvén) 74
Subrahmanyan Chandrasekhar (An obituary) 554
A visionary and courageous scientist (An obituary of Jonas Salk) 473

Peshwa period 279 (Historical commentary and notes)
Petunia 351 (Research article)
Phase diagram 914 (General article)
Ph D students 633 (Correspondence)
Phosphorite 1017 (Research communication)
Phosphorylation 336 (Review article)
Phytophagous insects 470 (Book review)
Planktonic foraminifera 691 (Research communication)
Plant cells 191 (Book review)
Platinum 86 (Correspondence)
Pod formation 543 (Research communication)
Pollen function 351 (Research article)
Postnatal growth 496 (Scientific correspondence)
Precambrian-Cambrian boundary 929 (Research communication)
Predatory ladybird beetles 587 (Review article)
Pressure-induced phase transition 44 (Research article)
Propensity of amino acid 434 (Research article)
Protein folding 9 (Research news)
Pseudofruit 94 (Scientific correspondence)
Public knowledge 637 (Commentary)
Puccinia romagnoliana 21 (Scientific correspondence)

Quantum chemical bond order 343 (Research article)
Quantum gravity 483 (In this issue); 499 (General article)
Quantum Monte Carlo 739 (Review article)
Quantum mechanics 367 (Book review)
Quantum statistics 76 (Historical commentary and notes)
Quantum universe 467 (Book review)
Quaternary basin 610 (Research communication)

Radiation dose 592 (Research article)
Radon 452 (Research communication)
Rainfall pattern 649 (General article)
Raman spectroscopy 3 (In this issue); 44 (Research article)
Ramanujan's bust 557 (Historical commentary and notes)
Random numbers 904 (General article)
Reactive oxygen species 747 (Review article)
Reines, Frederick J. 959 (News)
Relaxation phenomenon 129 (Review article)
Remote sensing 631 (In this issue); 685 (Research article); 811 (Scientific correspondence)
Reproductive behaviour 587 (Review article)

Research account
NMR studies on the Myb-DNA system 243

Research impact 565 (Correspondence)

Research news
Binding and release of polypeptides during groEl-mediated folding: Its cellular significance? 9
Bose–Einstein condensation in a dilute atomic vapour 492
Designer molecules: A homogenic sensor of creatinine 964
Discovery of the new radiation belt of the earth 719
Does low serum cholesterol increase suicide and aggressive behaviour? 491
Driven up the tree: Why do wild dogs harass leopards? 903
Noncentrosymmetric monolayers from centrosymmetric molecules – A fresh approach to materials for frequency doubling 217
Oxide electronics 216
Pathogenesis: Generating new paths in understanding bacterial virulence 965
Targeting RNA in the cell 219

Rhizosphere 541 (Research communication)
Rice 937 (Research communication); 963 (News)
Rice field 293 (Scientific correspondence)
Rice tungro 1031 (Book review)
RNA 219 (Research news)
Rotblat, Joseph 717 (News)
Roughness measurement 526 (Research communication)
Rowland, F. Sherwood 793 (News)

Salk, Jonas 473 (Personal news)
Sargipali sulphide deposit 62 (Research communication)
Satellite data 604 (Research communication)
Schrodinger equation 57 (Research communication)
Science education 87,491,801 (Correspondence)
Science in India 287 (Correspondence)

Scientific correspondence
The Academy fellowship problem 969
Angioarchitecture of the glomerulus of a swamp catfish, *Chaca chaca* (Ham.) (Chicidae, Siluriformes) 99
Azolla sp. from the Early Cretaceous of Cauvery basin, South India 97
Comments on 'What kind of a system is a human being? A cybernetic system?" (*Curr. Sci.*, 1994, **67**, 936–940) 288
Comments on the review of the monograph *The Scientific Methodology in the Light of Cybernetics* (*Curr. Sci.*, 1994, **67**, 954–956) 289
Cryopreservation of epididymal spermatozoa 899
Cytokine antagonism by active vaccination 900
Development of cultured tomato anther to a fruit-like structure accompanied by *in vitro* ripening 94
Effect of foetal exposure to low-dose X-rays on the postnatal growth of mouse 496
Endophytes – A crucial issue 570
Enechelon faults along West Coast of India and their geological significance 811
Ethephon enhances karaya gum yield and wound healing response: A preliminary report 809
A fast growing cell line of *Taxus baccata* L. (Himalayan yew) as a potential source of taxol precursor 971
First report of the Late Permian sporangiate fructification *Nesowalesia* Pant from India 400
Genotoxicity of 'gudakhu', a tobacco preparation used in Orissa 96
In-situ preserved *Vertebraria* axes in Ib river coalfield, Orissa 228
Interpretation of nucleotide/protein sequence data: Some pitfalls 814
In-vitro axillary bud break and multiple shoot production in *Acacia auriculiformis* by tissue culture technique 495
Massif-type anorthosite near Ayialur, Dindigul, Anna District, Tamil Nadu, South India 21
Methane emission from rice paddies: Need for a downward revision of global estimate 293
Nomenclature of super heavy elements 295
A note on the occurrence of Columbite–Tantalite-bearing pegmatite at Limboi, District Sabarkantha, Gujarat 718
Occurrence of *Botryococcus* from the Lower Cretaceous rocks of Cauvery basin, Tamil Nadu 810
Parasitism of muscardine fungi on *Meloidogyne incognita* eggs 635
Polyphenolic components of flowers of *Helichrysum bracteatum* 23
Recent finds of ancient gold mining sites in south Uttar Pradesh 634
Record of opal phytoliths and associated palynofossils from Indian crude oils 17
Record of Upper Gondwana flora from Bairam–Belkher area of district Amravati, Maharashtra and district Betul, Madhya Pradesh 397
Regeneration of *Aegle marmelos* (L). Corr. plants *in vitro* from callus cultures of embryonic tissues 494
Role of phospholipase C in the cryptobiotic cysts of the fairy shrimp *Streptocephalus dichotomus* 229
Storing river runoff in the Gulf of Khambhat: A critique of the 'Kalpasar' concept 227
Supplementary comments on 'Endemic, rare and threatened flowering plants of South India' 971
'Swiss' strain of rats? 493
A technique for axenic culture of *Puccinia romagnoliana* – A potential bioherbicide for purple nutsedge 21
Traditional ecological knowledge and sustainable use of natural resources 569
The ultimate constituents of matter 397
Too many hepatoprotective drugs and a little hepatoprotection 898

Scientific software 802 (Commentary)
Script recognition 420 (General article)
Seamless chemical engineering science 317 (General article)
Sea-surface temperature 649 (General article)
Second harmonic generation 217 (Research news)
Seed development 358 (Research communication)
Seismic hazard 83 (In this issue)
Semiconductor superlattice 240 (General article)
Seismic hazards 161 (Research article); 223 (Commentary)
Sepia mutants 771 (Research communication)
Setaria digitata 538 (Research communication)
Shoemaker Levy 9 193 (Generalia)
Siddhanta Darpana 705 (Historical commentary and notes)
Singhbhum 1008 (Research communication)
Single crystals 607 (Research communication)
Single-ion activities 483 (In this issue); 529 (Research communication)
Smoking 877 (Research communication)
Smooth muscles 140 (Review article)
Solid chloride ion transmitter bridge 871 (Research communication)
Solid-phase radioimmunoassay 48 (Research article)
Solid-state fermentation 263 (Research communication)
Soft matter 151 (Research article)
South Delhi fold belt 252 (Research article)
Space flight tracking and data network 410 (General article)
Sporangiate 400 (Scientific correspondence)
Sr isotopes 171 (Research communication)
Stars 193 (Generalia)
Sterculia urens 809 (Scientific correspondence)
Stereotypies 310 (Article, special section)
Stochastic differential equations 231 (General article)
Storing river runoff 227 (Scientific correspondence)
Streptozotocin 461 (Research communication)
Strong motion 772 (Research communication)
Subjective element 783 (Generalia)
Suicide behaviour 491 (Research news)
Sulphate aerosols 752 (Research article)
Summer monsoon 752 (Research article)
Superstrings 499 (General article)
Surface and interface 526 (Research communication)
Surinamite 763 (Research communication)
Symmetry methods 566 (News)
Synchrotron 572 (General article)

Taxus baccata 971 (Scientific correspondence)
Tectonic evolution 610 (Research communication)
Tectonic uplift 1023 (Research communication)
Temperature and precipitation extremes 39 (General article)
Testosterone biosynthesis 545 (Research communication)
Tilapia male 545 (Research communication)
Tomato 94 (Scientific correspondence)
Total solar eclipse 486 (News)
Traditional ecological knowledge 569 (Scientific correspondence)
Traditional Indian astronomy 705 (Historical commentary and notes)
Transmission probability 231 (General article)
Tropical diseases 946 (Book review)

Ultrafast chemical reactions 129 (Review article)

Universities, research 221 (Opinion)
University research 633 (Correspondence)
University system 802 (Commentary)
Urban development 454 (Research communication)
Use of animals in research 301 (Article, special section)
Uttarkashi earthquake 161 (Research article); 781 (Book review)

Vaccination 900 (Scientific correspondence)
Value judgement 783 (Generalia)
Vegetarianism 415 (General article)
Vertebraria 228 (Scientific correspondence)
Vitamin C 715 (In this issue); 747 (Review article); 957 (Correspondence)

Wave particle duality 426 (Review article)
Wood-chewing, horse 310 (Article, special section)
Wheat 621 (Research communication)
Wigner, Eugene Paul 375 (Historical commentary and notes)
Wild dogs 903 (Research news)
Wound healing 809 (Scientific correspondence)
Wuchereria bancrofti 257 (Research communication)

X-ray reflectometry 526 (Research communication)

Young scientists 893 (Correspondence)
Yttrium 270 (Research communication)

Zeolites 151 (Research article)
Zircon 941, 1008 (Research communications)
Zirconium 270 (Research communication)